



Tropical Cyclone *Quick Reference Guide* 2015

Fleet Weather Center - Norfolk, 9141 Third Ave, Norfolk VA 23511-2394

Operations Watchfloor: 757-444-7750 (DSN 564-7750)

NIPR email: fwc-norfolk.cdo@navy.mil

SIPR email: fwc-norfolk.cdo@navy.smil.mil

(Public) <http://www.usno.navy.mil/NOOC/fwc-n> (PKI) <https://nepoc.oceanography.navy.mil/portal/web/fwc-n>

(SIPR) <http://nepoc.oceanography.navy.smil.mil/portal/web/fwc-n>



Atlantic Tropical Cyclone Season: 01 June - 30 November

East Pacific Tropical Cyclone Season: 15 May - 30 November

2015 Atlantic Tropical Cyclone Names

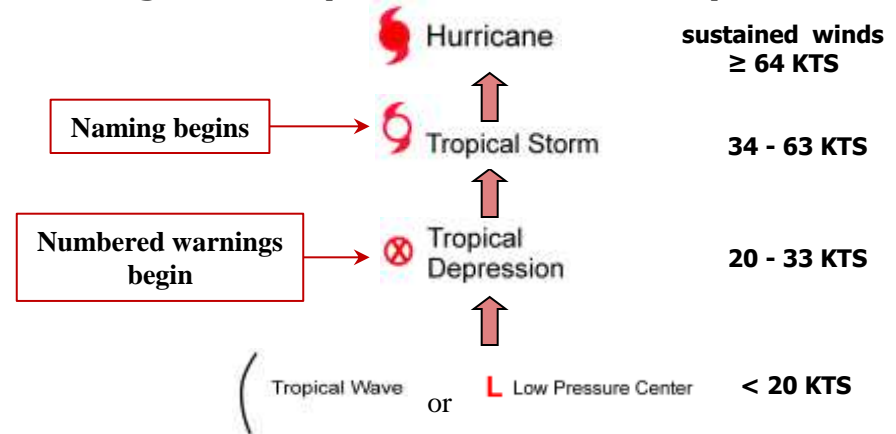
Ana	Larry
Bill	Mindy
Claudette	Nicholas
Danny	Odette
Erika	Peter
Fred	Rose
Grace	Sam
Henri	Teresa
Ida	Victor
Joaquin	Wanda
Kate	

Saffir-Simpson Scale Hurricane Destruction Potential

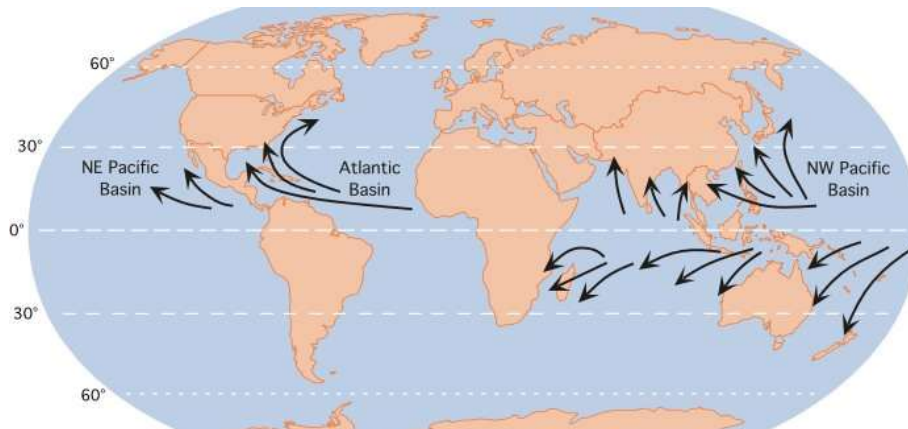
Category	Sustained Wind Speed (knots)	Sustained Wind Speed (mph)	Damage
1	64 - 82	74 - 95	Minimal
2	83 - 95	96 - 110	Moderate
3	96 - 112	111 - 129	Extensive
4	113 - 136	130 - 156	Extreme
5	> 137	> 157	Catastrophic

NOTE: Categories 3, 4, & 5 are considered **MAJOR** hurricanes

Stages of Tropical Cyclone Development

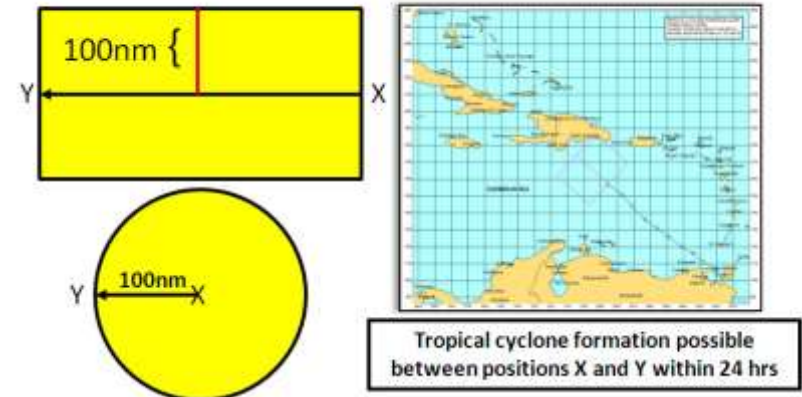


Tropical Cyclones: Development Areas and Movement



Tropical Cyclone Formation Alert (TCFA)

TCFAs provide early notification of likely TC development to the Fleet and help minimize the number of OTSR Advisories and Diverts





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Tropical Cyclone Conditions of Readiness (TC-CORs)

(time until the forecast onset of destructive winds*)

COR V	96 hours
COR IV	72 hours
COR III	48 hours
COR II	24 hours
COR I	12 hours

* Destructive winds are defined as sustained winds \geq **50 KTS**

Fleet Sortie Conditions

Charlie - Prepare to sortie within **48 hours**
Bravo - Expected sortie within **24 hours**
Alpha - Commence sortie to sea

Aircraft Evacuation Status Reports

(required at the following times)

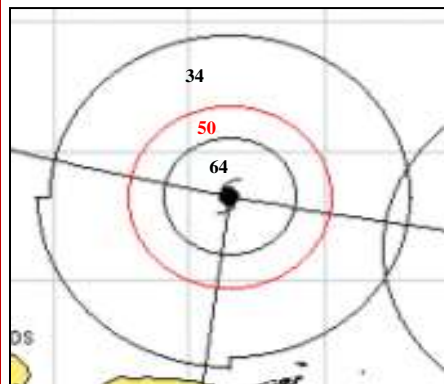
72 hours
48 hours
24 hours
12 hours



KEY TO TROPICAL CYCLONE WARNING GRAPHICS



The lines around a projected tropical cyclone track indicate the **34-knot, 50-knot, and 64-knot wind radii** associated with the storm at a given point. The outermost line indicates the **34-knot** radius; the next line indicates the **50-knot** radius; and the inner line shows the **64-knot** radius. Not all tropical cyclones will have peak central winds that reach the **50-knot** or **64-knot** threshold; as a result, weaker systems may not have a **50-knot** or **64-knot** wind radius. The size of the tropical cyclone's forecast wind field will be indicated by the radius of each quadrant in the associated tropical cyclone warning message.



Forecast tropical cyclone positions indicated in magenta.

Past six-hourly tropical cyclone positions indicated in black.



The shaded area outlined by a dashed line represents **forecast uncertainty**. This "cone" depicts the track and intensity forecast uncertainty for days 1 through 5 based on the National Hurricane Center's five-year average forecast error. Statistical data indicates that the entire 5-day path of tropical storm force winds (winds $>$ 34 knots) will occur within the cone about 70% of the time.